Info-Hams Digest   Mon, 15 Aug 94   Volume 94 : Issue 917

Today's Topics:
                    ARLB066 FCC garners award
                      Buy a rig in Hongkong?
                    Car warrantee and 2m radio
                 Commercial Radio Telegraph License
                         coupla questions
                   CWIST for the West Coast!!!
                      French-speaking hams
                     Handies and NiMH accus?
              Homebrew Global Positioning System (GPS)
                 IPS Daily Report - 13 August 94
                Manual Request - AN/URM-25-F & PE-75W
       Need Drake SPR-4 (RR-1) quartzes, Drake E-Mail address
                       Questions on TCP/IP
                       Repeater Directory?
                     TNC construction article
               Using the antenna tuner in reception
               Wanted: New England Hamfest list...
     Yes Tech + gets a new License (was Re: Upgrade to TECH PLUS ?)

Send Replies or notes for publication to: <Info-Hams@UCSD.Edu>
Send subscription requests to: <Info-Hams-REQUEST@UCSD.Edu>
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Info-Hams Digest are available
(by FTP only) from UCSD.Edu in directory "mailarchives/info-hams".

We trust that readers are intelligent enough to realize that all text
herein consists of personal comments and does not represent the official
policies or positions of any party. Your mileage may vary. So there.

Date: Sun, 14 Aug 94 19:18:51 EDT
From: ihnp4.ucsd.edu!dog.ee.lbl.gov!agate!howland.reston.ans.net!gatech!news-
feed-1.peachnet.edu!news.duke.edu!eff!wariat.org!malgudi.oar.net!hypnos!voxbox!
jgrubs@network.ucsd.edu
Subject: ARLB066 FCC garners award

To: info-hams@ucsd.edu

plaws@comp..uark.edu (Peter Laws) writes:

> w1aw@arrl.org (ARRL) writes:
>
> >SB QST ARL ARLB066
> >ARLB066 FCC garners award
> >
> >FCC garners award
> >
> >and interactive video allocations) served consumers by licensing new
> >services faster, served the public by selling rights to the spectrum
> >rather than giving it away, and served industry by getting licenses
> >to those ''who value them most highly.''
>
> (PS - Is it fraud for the guv'mint to sell something that they don't own?
> Like, say, RF spectrum? Before the 1st Usenet Clinton Bashing Battalion
> aims their cursors, I'll remind all that this "auction" predates our
> friend, Bill, by several years.)

Can you spell "boobytrap"?

--
jgrubs@voxbox.norden1.com
'Two of the gravest general dangers to survival are the desire for
comfort and a passive outlook.' -- U.S. Army Ranger Handbook

Date: Fri, 12 Aug 94 19:46:11 GMT
From: ihnp4.ucsd.edu!sdd.hp.com!math.ohio-state.edu!usc!howland.reston.ans.net!
xlink.net!news.ppp.de!lutzifer!malihh!astrax!dema@network.ucsd.edu
Subject: Buy a rig in Hongkong?
To: info-hams@ucsd.edu

Hello *,

I'll visit Hongkong in a few weeks and would like to buy a 2 m / 70 cm
handy over there.
Can anyone recommend shops in Hongkong?
Is anyone living in Hongkong reading this?

Tnx,
    Detlef.

Date: 15 Aug 94 15:39:44 GMT
From: news-mail-gateway@ucsd.edu
Subject: Car warrantee and 2m radio
To: info-hams@ucsd.edu

Peter P. Benac <benacp@netcom.com> writes:

>>   Ambulances are not built by the auto manufactures but by refitters and
>>they do not provide any special shielding.

Someone else (no .sig) wrote:

>Oh, really? Then why did that new ambulance I saw the other day say
>"Ford" on the front rather than "Emergency-Five" as was marked on the
>side?

The refitter buys the chassis from the usual truck manufacturers. School
buses generally work the same way. The specialized equipment gets added,
and you have your ambulance (school bus, tow truck . . .). The chassis and
drive train are usually covered by the chassis manufacturer warranty, and
the add on by the refitter. This sometimes causes "jurisdictional" issues.
:-)   I'm not in that business any more. :-) :-)

More to the point for the original question, Ed Hare at ARRL compiled a
very good listing of auto manufacturer's (that is the possessive form, to
borrow from another thread) policies for radio installation. Toyota was
taught the error of their ways, but still left a bad taste in the mouths
(plural) of several hams. It pays to understand the manufacturer's policy
before approaching the dealer. They usually know little about radio beyond
CB, and avoid implied warranty like the plague.

73

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----------------------------------------------------------------------
Wm. A. Kirsanoff             Internet: WAKIRSAN@ananov.remnet.ab.com
Rockwell International        Ham: KD6MCI
(714) 762-2872
Alternate Internet: william_a._kirsanoff@ccmail.anatcp.rockwell.com
----------------------------------------------------------------------
Who are you? * I am number 2. *  Who is number 1? * You are number 6.
----------------------------------------------------------------------
```

Date: 12 Aug 1994 02:12:07 -0400
From: ihnp4.ucsd.edu!usc!howland.reston.ans.net!swiss.ans.net!
newstf01.cr1.aol.com!search01.news.aol.com!not-for-mail@network.ucsd.edu

Subject: Commercial Radio Telegraph License
To: info-hams@ucsd.edu

not knowing much about the format of the new T-2 exams, i can't say for
sure, but i find it impossible to believe that the new ones would bear any
resemblence (living or dead) to the old T-2 exam.
Solid state practically didn't exist when that exam was written! (my exam
was dated May 1952, and I took it in 1992). Seriously, my exam covered
vacuum technology circuits that were popular in the '30s and '40s. It was
a lot of fun to sort through all that stuff, but i have to (grudgingly)
admit that the call to modernize these exams had much merit.
HOWEVER, if you're still interested in "how it used to be", I have several
study guides for the old radiotelegraph (and radiotelephone) exams that
are fun reading (both technically and historically). Contact me directly
if you decide you want one. Otherwise, good luck on the exam!
scott nx7u@aol.com
holder T-2 and GROL

Date: 14 Aug 1994 18:45:23 GMT
From: elroy.jpl.nasa.gov!swrinde!gatech!newsfeed.pitt.edu!dsinc!netnews.upenn.edu!
netnews.CC.Lehigh.EDU!panda@ames.arpa
Subject: coupla questions
To: info-hams@ucsd.edu

Hi,

I just bought a Yaesu FT11-R HT...I really like it so far - the only problem I
have with it is that if I use it near my computer [when it's turned on] it
gives off really bad interference. Is that normal? and if not, what can I do
about it...I'm not sure that I'm even using the right terms...I'm so new to
all of this...

Thanx in advance

- Joseph Herman   Thought is useless unless accompanied by action-
- herman@yu1.yu.edu   Action is useless unless preceeded by thought -
----

Date: Sun, 14 Aug 1994 00:15:02 GMT
From: ihnp4.ucsd.edu!sdd.hp.com!elroy.jpl.nasa.gov!swrinde!howland.reston.ans.net!
agate!library.ucla.edu!csulb.edu!csus.edu!netcom.com!NewsWatcher!
user@network.ucsd.edu

Subject: CWIST for the West Coast!!!
To: info-hams@ucsd.edu

There have been postings over several weeks about the CWIST weekly Friday
night CW gathering. After trying last night (8/12), I was unable to raise
anyone from my QTH, in Northern California on either of the two
frequencies.

So.... lets get some WEST COAST activity up on CWISTS. Perhaps some kind
person wants to be the net control (I'm the wrong guy for that).

Mark KM6FM

Date: Thu, 11 Aug 1994 13:34:26 GMT
From: ihnp4.ucsd.edu!usc!howland.reston.ans.net!newsserver.jvnc.net!
netnews.upenn.edu!feith1.FEITH.COM!kd3bj!bbsuser@network.ucsd.edu
Subject: French-speaking hams
To: info-hams@ucsd.edu

Brian Battles:
I work with a native speaker of both French and Arabic. If you send the
text to me, I'll haul it into work and let him go over it. He has an
interest in machine translation, since he worked at one time on cleaning
up machine translations.

Bob Garland, NX3S
Robert.Garland @ kd3bj.ampr.org

P. S. if you want to mail a package, I'm in the ARRL files.

--
Robert Garland

Date: Fri, 12 Aug 94 19:53:11 GMT
From: ihnp4.ucsd.edu!sdd.hp.com!math.ohio-state.edu!usc!howland.reston.ans.net!
xlink.net!news.ppp.de!lutzifer!malihh!astrax!dema@network.ucsd.edu
Subject: Handies and NiMH accus?
To: info-hams@ucsd.edu

Hello *,

I'm about to buy a 2m / 70 cm handy.
I would like to know if there are NiMH accus available for handies.
Do all/few/no brands offer that kind of accus?
I hate the memory effect of NiCd accus ...

Tnx,
     Detlef (DD3XD).
d to wait for my license to
arrive...)-:

--
Dan Brown   dbrown@zeugma.csusb.edu
Bill of Rights: RIP, 1994

Date: Mon, 15 Aug 1994 00:54:02 +0000
From: ihnp4.ucsd.edu!agate!howland.reston.ans.net!pipex!demon!myth.demon.co.uk!
zeus@network.ucsd.edu
Subject: Homebrew Global Positioning System (GPS)
To: info-hams@ucsd.edu

In article <32bqoe$ur@eis.calstate.edu>
           wmoyes@eis.calstate.edu "William A Moyes" writes:

>   I need information for a homebrew GPS (Global Positioning
> System). Books, magazines, references, and internet resources
> would be extremely helpful. I need information on theory,
> frequencies and modulation, and circuit schematics.

 Telephone GEC Plessey semiconductors on (408) 438 2900 and ask them about
 availability of the GP1010 and GP1020 ICs and GP1010 evaluation board. The
 GP1010 is a receiver on a chip (just add clock and sprinkle lightly with
 passives) the GP1020 is a correlator that decodes the spread spectrum
 signal. You will need to design and build your own interface to your
 development PC of whatever though.

 As for information about signal structure etcetera, go to your library and
 look for anything by J.J.Spilker, issues of GPS world and (unlikely in the
 US) copies or Electronics World (UK publication) for about 18 months ago.
 If you can get the annual report from the Institute of Navigation (ION) so
 much the better. An excellent introduction to GPSs. As for GPS resources,
 well, there is a GPS UseNet group (can't recall off hand exactly what), but
 that is mainly uses of GPS and reviews/opinions of particular devices.

 Mike.

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  Michael S. Cowgill (Mike)         \_ My opinions!   MINEMINEALLMINEHAHAHAHA!
  zeus@myth.demon.co.uk (That's me) \_        " Swirly thing alert! "
  G1VOX@GB7WRG.GBR.EU 44.131.2.76    \_ "  ...Cracking toast Gromit!... "
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Date: Sat, 13 Aug 1994 23:24:41 GMT
From: ihnp4.ucsd.edu!sdd.hp.com!elroy.jpl.nasa.gov!usc!howland.reston.ans.net!
pipex!sunic!trane.uninett.no!ifi.uio.no!wabbit.cc.uow.edu.au!metro!ipso!
rwc@network.ucsd.edu
Subject: IPS Daily Report - 13 August 94
To: info-hams@ucsd.edu

SUBJ: IPS DAILY SOLAR AND GEOPHYSICAL REPORT
ISSUED AT 13/2330Z AUGUST 1994 BY IPS RADIO AND SPACE SERVICES
FROM THE REGIONAL WARNING CENTRE (RWC), SYDNEY.
SUMMARY FOR 13 AUGUST AND FORECAST FOR 14 AUGUST - 16 AUGUST

1A. SOLAR SUMMARY
Activity: low

Flares: none.

Observed 10.7 cm flux/Equivalent Sunspot Number : 84/26

GOES satellite data for 12 Aug
      Daily Proton Fluence >1 MeV: 1.1E+06
      Daily Proton Fluence >10 MeV: 1.2E+04
      Daily Electron Fluence >2 MeV: 3.1E+07
      X-ray background: A6.9
Fluence (flux accumulation over 24hrs)/ cm2-ster-day.

1B. SOLAR FORECAST
              14 Aug   15 Aug   16 Aug
Activity   Low to moderate   Low to moderate   Low to moderate
Fadeouts   None expected   None expected   None expected

Forecast 10.7 cm flux/Equivalent Sunspot Number for 14 Aug: 87/30

2A. MAGNETIC SUMMARY
Geomagnetic field at Learmonth: mostly unsettled to active with a
minor storm 4-7UT.

Estimated Indices : A   K   Observed A Index 12 Aug
    Learmonth   26 3553 4433
    Fredericksburg 21   19
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     Planetary        20                          16


Observed Kp for 12 Aug: 3442 3333
2B. MAGNETIC FORECAST
DATE      Ap    CONDITIONS
14 Aug    18    Unsettled to active
15 Aug    14    Unsettled
16 Aug    12    Unsettled


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3A. GLOBAL HF PROPAGATION SUMMARY
              LATITUDE BAND
DATE          LOW           MIDDLE        HIGH
13 Aug        normal        fair-normal   fair-normal
PCA Event : None.

3B. GLOBAL HF PROPAGATION FORECAST
              LATITUDE BAND
DATE          LOW           MIDDLE        HIGH
14 Aug        normal        fair          poor
15 Aug        normal        normal        fair
16 Aug        normal        normal        fair


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4A. AUSTRALIAN REGION IONOSPHERIC SUMMARY
       Observed
DATE    T-index  MUFs at Sydney
13 Aug    17     near predicted monthly values, with spread F 9-14UT.

Predicted Monthly T-index for August: 20

4B. AUSTRALIAN REGION IONOSPHERIC FORECAST
DATE    T-index  MUFs
14 Aug    20     Near predicted monthly values
15 Aug    20     Near predicted monthly values
16 Aug    20     Near predicted monthly values

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IPS Regional Warning Centre, Sydney        |IPS Radio and Space Services
RWC Duty Forecaster   tel: +61 2 4148329   |PO Box 5606
Recorded Message      tel: +61 2 4148330   |West Chatswood NSW 2057
email: rwc@ips.oz.au  fax: +61 2 4148331   |AUSTRALIA


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Date: 15 Aug 94 15:11:03 GMT
From: news-mail-gateway@ucsd.edu
Subject: Manual Request - AN/URM-25-F & PE-75W
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To: info-hams@ucsd.edu

I recently acquired a Military AN/URM-25F 10 Khz to 50 Mhz signal generator
with mechanical problems. I am looking for a manual (original or copy) to buy
or borrow & copy.

Also looking for information on a Military Surplus generator PE-75W.

Any leads would be appreciated.

Thanks,

Russ W2DYY

Schroeder.Wbst207V@Xerox.com

Date: Fri, 12 Aug 94 19:59:11 GMT
From: ihnp4.ucsd.edu!sdd.hp.com!math.ohio-state.edu!usc!howland.reston.ans.net!
xlink.net!news.ppp.de!lutzifer!malihh!astrax!dema@network.ucsd.edu
Subject: Need Drake SPR-4 (RR-1) quartzes, Drake E-Mail address
To: info-hams@ucsd.edu

Hello *,

I own an old SPR-4 (RR-1) made by Drake.
I would like to rearrange its bands, so I need the following quartzes:

18.09; 20.59; 21.09; 22.59; 25.09; 26.09; 28.59; 29.09; 32.09;
32.59; 35.59; 39.09; 39.59; 40.09; 40.59 MHz.

Has anyone these quartzes lying around?
I could trade the following quartzes:

15.09; 19.09; 19.59; 23.09; 23.59; 24.09; 27.09; 27.59; 28.09;
33.09; 33.59; 36.09 Mhz.

And, does anybody know if Drake has an E-Mail address?

Tnx,
     Detlef.

Date: 14 Aug 1994 11:29:01 -0400
From: news.cerf.net!gopher.sdsc.edu!nic-nac.CSU.net!charnel.ecst.csuchico.edu!

yeshua.marcam.com!zip.eecs.umich.edu!newsxfer.itd.umich.edu!gatech!news-
feed-1.peachnet.edu!news.duke@ihnp4.ucsd.edu
Subject: Questions on TCP/IP
To: info-hams@ucsd.edu

     First thing, if any one is interested in responding, could you do me
a big favor and e-mail it directlyto my address? thanks...
     Well, TCP is something I would love to get into, and I've read all
the fact sheets and "beginners" explanations..but its now left me with
some unanswered questions. First, Is the idea behind TCP that a local
server picks up on your radio messages and just keeps relaying them? Do
most areas have these servers to connect to any other place than the apx.
100 mile direct radio VHF radius?
The idea is to to communicate over long distances using a vhf rig,
correct?
Lastly, can TCP addresses be written to from the landline internet? Thanks
in advance for anyone who chooses to reply, your help would be
appreciated. :)

---->>>> Joe

Date: 14 Aug 1994 19:21:51 GMT
From: elroy.jpl.nasa.gov!usc!howland.reston.ans.net!gatech!news-
feed-1.peachnet.edu!hobbes.cc.uga.edu!athena!zlester@ames.arpa
Subject: Repeater Directory?
To: info-hams@ucsd.edu

Is there a telnet site, or a text file that has the entire contents of
the ARRL repeater directory?

Zack Lester

Date: Sun, 14 Aug 94 08:58:32 EDT
From: ihnp4.ucsd.edu!dog.ee.lbl.gov!agate!howland.reston.ans.net!
sol.ctr.columbia.edu!news.kei.com!world!mv!lmr!rapp@network.ucsd.edu
Subject: TNC construction article
To: info-hams@ucsd.edu

<BSoranno@vax2.winona.msus.edu> writes:

> Does anybody know of a construction article for a "general purpose" TNC?
>
> These are my reguirements:
> 1) Standard serial connection. (I have 4 different computers and would like

```
>     to be able to connect to all).
>
> 2) An internal processor of some type to minimize the overhead on the
>    computer.
>
> If these are too strict, please let me know.
> Thanks.
>
> Bill Soranno -- KB0NKX
> 7 Fairfax
> Winona, MN 55987
> 507/452-3789

All TNC's fit your bill pretty well.  They all run off a serial port, and
contain a microcomputer to handle most of the overhead.  MFJ, Kantronics,
Tiny TNC - all will do what you want.

Larry W1HJF




-------------------------------------------------------------------------------
L. M. Rappaport &  Associates, Inc.   rapp@lmr.mv.com   voice +1 603 237 8400
Colebrook, NH  03576-0158             CIS 72427,2567    fax   +1 603 237 8430


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Date: Thu, 11 Aug 1994 14:15:59 GMT
From: newsflash.concordia.ca!CC.UMontreal.CA!IRO.UMontreal.CA!clouso.crim.ca!
hobbit.ireq.hydro.qc.ca!barde!vaillan@uunet.uu.net
Subject: Using the antenna tuner in reception
To: info-hams@ucsd.edu

In July 94, QST, p 80, there is an article on how to modify a Kenwood TS-450S/AT
so that the tuner is always in the circuit...

How difficult would it be to do the same modification on a Yeasu FT890/AT?
If you have the manual, can you comment on how the modification should be
done.
Regards,
Thank you very much.
73 de Clement, VE2HQJ
---
   Clement Vaillancourt,          |   Institut de Recherche d'Hydro-Quebec
   Analyste,                      |     Varennes, P. Quebec, Canada, J3X 1S1
   Informatique scientifique      | Tel:+1 514 652 8238 Fax:+1 514 652 8309
   vaillan@ireq.hydro.qc.ca       |   Radio-amateur: VE2HQJ@VE2CRL.PQ.CAN.NA
```

Date: 15 Aug 94 18:27:06 GMT
From: news-mail-gateway@ucsd.edu
Subject: Wanted: New England Hamfest list...
To: info-hams@ucsd.edu

Ref: <none>

I blew away my copy of the NE Hamfest listing posted fairly recently.
Could some kind soul send me an e-copy for the summer/fall?? TNX.

73 de N1PBT...ron

Rossi, R.D.

Date: 12 Aug 1994 06:56:02 GMT
From: ihnp4.ucsd.edu!usc!howland.reston.ans.net!spool.mu.edu!bloom-beacon.mit.edu!
senator-bedfellow.mit.edu!w1gsl@network.ucsd.edu
Subject: Yes Tech + gets a new License (was Re: Upgrade to TECH PLUS ?)
To: info-hams@ucsd.edu

>Yes Dave
>
>A Technician   - No code licensee who passes el 1a (5wpm) will get a
>new license from the FCC. In the interum before the license arrives
>she can operate in the Novice bands when in position of a certificate
>of completion, signed by the 3 VE who gave the 5wpm exam. Once the license
>arrives there is no legal reason to keep the certificate.   You may want
>to display it, at least if it is one from a W5YI group... I think
>their 8x10 3 color C of Cs are quite nice. Actually more impressive
>looking than the real FCC license certificate.
>
>Good luck with the General :-)

In re reading my own post I just realized I didn't make it clear I am
talking about someone who upgrades to tech plus now.   For the last
few years untill the FCC upgraded their computers   NO Tech Plus licenses
were issued. The VECs kept a listing of the Tech pluses issued which
was shared with the FCC. The official line was that the Certificate of
Completion was to be saved forever, or untill a general was earned.

Now that the FCC is issuing Tech Plus licenses it is not clear what
they will do with all those Techs that should have licenses that say
Tech Plus but don't. Several people have written asking if they should
send in a 610 to get their license "modified". My own feeling is not to make

the paperwork crunch at the FCC worse and just to wait till renewal is
necessary, least we make the delay for new commers worse. Keep your C of C.

It is not clear the FCC knows how to or has even thought about handling
all the older tech license that shoud be listed as Tech plus.
I was just talking to someone from CA who was has tech first issued
24 years ago, he cretainly has code credit along with el 3b credit,
but the renewal came through last month, as a plain tech.
Hopefully the FCC realizes this is a problem and can do something about it.
Mabey they have to buy yet another computer or at least a couple of years
of programing :-) I wonder how many hours ($) some consultant will spend
fixing this bug (feature)?

                       73 Steve F
                          W1GSL
                          W5YI VE # 1697

****
Steve Finberg   W1GSL   w1gsl@mit.edu
PO Box 82 MIT Br   Cambridge MA 02139-7082   617 258 3754
****

Date: Sun, 14 Aug 1994 01:13:24 GMT
From: ihnp4.ucsd.edu!sdd.hp.com!math.ohio-state.edu!usc!howland.reston.ans.net!
agate!library.ucla.edu!csulb.edu!csus.edu!netcom.com!mikeka@network.ucsd.edu
To: info-hams@ucsd.edu

References <31orn0$st0@reznor.larc.nasa.gov>, <mikekaCu544x.FtA@netcom.com>,
<504B482E01BB2879@-SMF->t
Subject : Re: DX packet cluster access via internet?

just a followup to my previous (and incomplete) posting. to access the f6cnb
dx cluster first send email to remi, f6cnb@sugarland.ampr.org requesting
access to the cluster. he'll mail u back a password and you'll be all set!
have fun and good dx to all de mike, km6wb.

End of Info-Hams Digest V94 #917
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